

## Abstract

An optical device für the combination of at least two light beams (3, 5), of various wavelengths is disclosed. The optical device is characterised in that the optical device has a first interface (21), which splits a reference beam (25), from each light beam (3, 5) and a second interface (31), which splits a further reference beam (33, 47) from each light beam and the reference beams and the further reference beams may be detected by at least one positional detector (27).